

SOUTH WEST AFRICA

S.A. #1 S.W.A. : OSHIKANGO, 1100 M, XII-17-66

Terrestrial in rough bark of scattered acacia trees in admin. area. Recent rain. Sandy flat.

S.A. 2 S.W.A. : 24 MI. S.E. ONDANGUA, 1100 M, XII-18-66

Sandy flat with dense acacia scrub. Scattered large "mesquite." Large pale ♀s in bark crevices of latter with egg chamber in beetle borings etc. Eggs + 1st-2nd instars present.

SA 3 Some duplicate culture

SA. 4 Some " "

S.A. 5 S.W.A. 44 MI. S.E. ONDANGUA, 1100 M, XII-18-66

Several juv. Embria under deeply-imbedded log in sand in shade of Acacia. Acacia scrub on sandy plain, Recent rain.

S.A. 6 S.W.A. : 12 MI. N.W. NAMUTONI, 1080 M, XII-18-66

East end Strikewater, Etosha Pan. Many young embria under calcareous rocks of hard pan above salt lake's shore. In shade of acacia. Recent rain.

S.A. 7 S.W.A. : 27 MI. S.E. TSUMEB 1700 M, XII-20-66

Scrub, thorn bush on shaded side of rocky hill. Embria under stones in shade. Recent heavy rain. 1 result of all others from 1 nest all 3rd instar. Brick red. Highly gregarious.

S.A. 8 S.W.A.:

KHOMAS HOCHLAND

XII-24-66

Rolling rocky hills with acacia savanna. Catter collected under stones in shade of acacia. Dry, no rain in season Embia along margins of dry creek

DIHYBOCERCUS (PALE LONG-WINGED)

S.A. 9 S.W.A.:

KHOMAS HOCHLAND XII-25-66

Rolling hill savanna, slight rain effect. Embia under stones under acacia along margins of dry creek.

S.A. 10 S.W.A.: DAAN VILJOEN GAME PARK, 15 MI. W. WINDHOEK, 1800 M, XII-25-66

Embia under rocks shaded or unshaded in rolling hills covered with sparse savanna. Very dry in spite of some rain in the season. Some adult ♀, various stages nymphs.

S.A. 11 S.W.A.: 10 MI. N. WINDHOEK, 1500 M, I-2-67

Sandy valley with very large acacia etc. A picnic area. Recent rain young grass, also lilies. Embia under schist slabs in shade of low trees. Some advanced in devel.

SA. 12 S.W.A.: Edge of Fish River Gyn, 40 MI N.W. Klein Karas, 810 M?, I-5-67

Barren, stone-littered area with "Pedilanthus" rare Kokerboom etc. Embiid webs in shaded defiles over cliff edge, in leaf litter beneath shrubs. Webs follow crevices and sides of ~~the~~ buried stone rubble to depths of at least 15". Webs white, filmy, elastic. May have cultured 2-3, 3rd instar

Very dry conditions

S.A. 13 S.AFRICA: PAPENDORP, 10 M, I-7-67

Conglomerate (embedded quartz) rocky ledges projecting from old dunes, densely shrub-covered; numerous, diverse succulents 4 embiids collected in individual galleries under large stones, broken off ledges, webs follow up crevices on sides of stones. Very dry, dusty under stones but embiids do not penetrate soil. 1 adult ♀ cultured.

1967 Culture

Paarl west side

C-1

E Du Toits Kloof

♂♂ Chersambia

C-2

S. Africa: Cape Prov, Pappendorp

1♂

C-3

S.W. Africa: 45 Mi E. Gobabis 1350 M XI-3-67

lavender rock ledge area in Kalahari, near farm house  
3 large ♀ no eggs or young <sup>under</sup> dry bark of fence posts 4' up

CYSTEMBIA RAMOSA

C-4

Same place

large colony under flat stone on sand, exposed to sun  
Webs radiating in bases of "crab grass" and into ground.

Dead ♀ Embia (?) in large webs. at least one juv (3rd)  
in ~~the~~ masses of silk cultured. Large Embia ♀s, many but  
no males, no eggs laid.

C-5

Botswana: Camp, 10 Mi N.E. Kachikau, 930 M, XI-8-67

Webs amongst dry leaf litter under log in sparse  
scrub jungle. Apper to be 3rd instar Embia

C-6

Rhodesia: Island in Zambesi R., 5 Mi above Falls  
900 M XI-10-67

3 large tan ♀ in bark bracts of palms. Dead, grey  
dry. ~~to be~~ webs clean extended from crevices. Single ♀s  
and egg masses.

C-7

Zambia: Livingstone (grounds of boat club), 900 M, XI-11-67

1 ♀ of C-6 species in Borassus palm trunk crack + 1 juv  
Embia? under stone Small Embia

C-8

Zambia: about 30 mi S. of Lusaka, 950 M, XI-12-67

Open savanna on rocky ridges recent rain. About 15  $\frac{1}{2}$  grown  
Embia? webbing bark of recent cut log on grass.

Dihydrocerus cornis

- C-9 Zambia: Same place as C-8  
*Sylembia* on sides of rocks in ledge, naked silks.
- C-10 ZAMBIA: 28 MI. N.E. KARRI MPOSHI 1150M, ~~XI-14-67~~<sup>13</sup>  
 Dense low savanna wood, low quality tan ♀ in hollow  
 of twig end of small tree.
- C-10A Same place and species in crevice of dead burned  
 sapling 5' high. 1 ♀ with about 100 small loose eggs on silk wall.
- C-11 ZAMBIA: 18 MI S.W. MKUSHI, 1300M, XI-14-67  
 Limestone ridge in savanna woods. Embiids under stones in  
 shade 1 pale ♀ 1 juv ♀ 1 juv ♂ some sp.?
- C-12 ZAMBIA: 33 MI. N.E. KANONA, 1500M, XI-14-67  
 High limestone ridge, more exposed than C-11. Native field cleared  
 and abandoned at base. Numerous stumps + logs on ground. Large  
*Dihyb* or *Emilia* in punky damp log interior + under bark and  
 fungus. Tunnels arose from single silk gallery into soil under log.  
 All one brood about 5 penult ♂ and 2 penult ♀  
 2 ♂ in unlabelled vial DIMYBOCERCUS
- C-13 same place  
 2-3 *Emilia*? under stones near base of cliff.
- C-14 ZAMBIA: JENGA HILL, ca 49 MI. S. ABERCORN XI-15-67  
 about 4 juv, pale or. + bl. *Dihyb*. under rotten logs on leaf  
 litter in open savanna amongst rocks and ridges. Recent rain  
 One embiid per small web. At least 1 penult ♂.  
 1 ENVEJA ♂ XII-30
- C-15 ZAMBIA: KALAMBO FALLS XI-15-67  
 Pale ♀ and 1st instar in splintered branch butt of small  
 tree in dense savanna. Tunnels follow old beetle borings.  
 Naked white silks visible outside. Little rain to date.  
 ♂♂ prob of this sp. *Sylembia* n.sp. came to light  
 early in evening. Warm, muggy before slight sprinkle
- C-16 same sp and place
- C-17 TANZANIA: 20 MI. NW SUMBAWANGA 1820M XI-17-67  
 low live-oak like savanna being cleared 1 large pale ♀  
 in <sup>bark</sup> crevice of filled crown trunk. cell without eggs.
- C-18 Same place + sp. 2 ♀



- C-19 TANZANIA: 48 MI. N.W. SUMBAWANGA 1650 M XI-17-67  
*Scalambia* in bark of large felled acacia. Rocky ridge in high  
 acacia savanna, recent rain.
- C-~~19~~<sup>20</sup> TANZANIA: 59 MI. S. MPANDA, 1200 M XI-18-67  
 Rocky ridge, high savanna woods, recent rain *Costus* in  
 bloom, B+W apterous ♂ caught, adult and juv cultured,  
 Under stones one embiid per gallery.
- C-21 Same, one pupa ♂ or + 16 *Dihyb.* under stone
- C-22 TANZANIA: 37 MI. N. MPANDA, 1200 M, XI-18-67 (about 6)  
 High savanna woods "early spring" B+W sp under  
 limb fragments and logs one embiid per gallery
- C-23 TANZANIA: 35 MI. S. UVINZA, 1600 M, XI-19-67  
*Scalambia* in bark flakes of broad, thick-leaved  
 tree, several ♀ + 1 pupa ♂, living tree. exposed  
 situation. 2 winged ♂ of *Dihyb* collected here  
 one on grass blade in sav. woods, one on leaf of  
 above tree
- C-23 TANZANIA: 17 MI. W. IKOMA 1250 M, XI-22-67  
 A few *Gnathembia* under numerous stones in open  
 savanna recent rain 2 adult ♂ caught
- C-24 TANZANIA: ~~7~~ 3 MI. N.W. SERONERA, 4800 ft, XI-24-67  
 One small embiid under rock in open savanna  
 recent rain
- C-25 TANZANIA: NAABI HILL, SERENGETI, 1650 M XI-25-67  
*Dihyb.* under stones and under bark of dead limb  
 of large acacia. Adults and late juv. Clumps of large  
 acacia on NE. side of hill above plain. Wet season
- C-26 TANZANIA: 10 MI SE. OLDUVAI, 1500 M XI-26-67  
 Under stones on ridge in acacia savanna